

**MBNMS Research Activity Panel
Meeting Summary
January 13, 2012**

Host: James Lindholm – Nearshore Ecology (CSU Monterey Bay)

Location: Tanimura and Antle Family Memorial Library (Building 508, Rm 1176)
Divarty Street
California State University Monterey Bay
Seaside, CA

Date: Friday, January 13th, 2012; 9:00 am to 12:00 pm

MEMBERS:

	Discipline	Primary/ Alternate	Name	Institution
X	Research Coordinator		DeVogelaere, Andrew	Monterey Bay National Marine Sanctuary
	Biological Oceanography	primary	Kudela, Raphael	University of California, Santa Cruz
	Biological Oceanography	alternate	Chavez, Francisco	Monterey Bay Aquarium Research Institute
X	Deep-Sea Ecology	primary	Cailliet, Greg	Moss Landing Marine Laboratories
	Deep-Sea Ecology	alternate	Haddock, Steve	Monterey Bay Aquarium Research Institute
	Estuarine Ecology	primary	Wasson, Kerstin	Elkhorn Slough NERR and Foundation
	Estuarine Ecology	alternate		
X	Fisheries	primary	Grimes, Churchill	NOAA Fisheries Service
	Fisheries	alternate		
	Marine & Coastal Geology	primary	Storlazzi, Curt	United States Geological Survey
	Marine & Coastal Geology	alternate	Paull, Charles	Monterey Bay Aquarium Research Institute
X	Marine Conservation Biology	primary	Harrold, Chris*	Monterey Bay Aquarium
	Marine Conservation Biology	alternate	Micheli, Fiorenza	Hopkins Marine Station
	Marine Policy	primary	Abeles, Adina	Center for Ocean Solutions
	Marine Policy	alternate	David, Aimee	Center for the Future of the Oceans, MBA
X	Nearshore Ecology	primary	Lindholm, James†	California State University Monterey Bay
	Nearshore Ecology	alternate	Carr, Mark	University of California, Santa Cruz
	Physical Oceanography	primary	McPhee-Shaw, Erika	Moss Landing Marine Laboratories
X	Physical Oceanography	alternate	Ramp, Steve	Soliton Ocean Services, Inc.
	Shelf & Slope Ecology	primary		
	Shelf & Slope Ecology	alternate	Starr, Rick	California Sea Grant Extension Program
X	Social Sciences	primary	Pomeroy, Caroline	California Sea Grant Extension Program
	Social Sciences	alternate	Scorse, Jason	Monterey Institute of International Studies
	Water Quality	primary		
	Water Quality	alternate	Epel, David	Hopkins Marine Station

*Sanctuary Advisory Council Member: Research (Primary)

†Sanctuary Advisory Council Member: Research (Alternate)

RAP Coordinator:

X	Burton, Erica	Monterey Bay National Marine Sanctuary
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GUESTS:

Adelaars, Jason	California State University Monterey Bay/IfAME
Aiken, Emily	California State University Monterey Bay/IfAME
Alfasso, Adam	California State University Monterey Bay/IfAME
Bassett, Ryan	California State University Monterey Bay
Clary, Larissa	California State University Monterey Bay/IfAME
Donlou, Nick	California State University Monterey Bay/IfAME
Dunsmore, Rikki	Monterey Bay National Marine Sanctuary
Hunt, John	Monterey Bay National Marine Sanctuary
Kelley, Heather	California State University Monterey Bay/IfAME
Kelly, Megan	California State University Monterey Bay/IfAME
Kline, Donna	California State University Monterey Bay/IfAME
Knight, Ashley	California State University Monterey Bay/IfAME
Launer, Andrea	Moss Landing Marine Laboratories/IfAME
Lopez, Elizabeth	California State University Monterey Bay/IfAME
Marks, Corina	California State University Monterey Bay
Michel, Paul	Monterey Bay National Marine Sanctuary
Pardieck, Beth	California State University Monterey Bay/IfAME
Parrish, Richard	Public
Shester, Geoff	Oceana
Watson, Jessica	California State University Monterey Bay/IfAME

CONSENT ITEMS

Introductions/Modifications to the Agenda (Harrold)

HOST PRESENTATIONS AND DISCUSSION

The New Marine Science Program at CSUMB (Lindholm)

- Until recently, CSUMB only had one Marine Science degree
- CSUMB marine science programs now include:
 - Biology (BS)
 - Environmental Science, Technology, and Policy (BS)
 - Environmental Studies (BA)
 - Marine Science (BS, MS)
 - Coastal Watershed Science and Policy (MS)
- For more info, see: <http://academics.csumb.edu/>

Conservation Analysis of Spatial Management in the MBNMS (CSUMB students: Megan Kelly, Beth Pardieck, Jason Adelaars, Nick Donlou, Corina Marks)

- CSUMB students presented results of project entitled, “Examining the conservation value of marine management areas within MBNMS: How protected is the Sanctuary”
- List of criteria used for analysis of management areas, and areas scored
- Students will submit manuscript to “Marine Sanctuaries Conservation Series” for publication consideration

ECOSYSTEM-BASED MANAGEMENT INITIATIVE

Requesting Input from RAP

Sentinel Sites (DeVogelaere)

- Follow-up to Steve Gittings' presentation at November RAP meeting
- DeVogelaere reviewed ONMS selection criteria
 - Scientific rationale and ecological significance
 - Practicality and leveraging
 - Responsiveness to management issues
- DeVogelaere asked RAP if want to add to selection criteria, or if glaring errors
- DeVogelaere presented list of Stations and Sites for discussion (add, or focus)
- **ACTION**: DeVogelaere will send powerpoint to RAP, so RAP can provide comments

EFH Review and How MBNMS May Be Affected (John Hunt/MBNMS)

- Essential Fish Habitat (EFH) is currently under review by the Pacific Fisheries Management Council
- MBNMS may be affected by EFH review, and MBNMS could provide input, including:
 - Bottom Trawling Effects on Benthic Habitats Action Plan
 - Ecosystem-based Management Initiative (including facilitate research)
 - Research area types potentially affected by EFH management
 - Sentinel sites
 - Control areas (associated with state MPAs)
 - Areas for manipulative experiments
- RAP had general discussion on topic, and provided list of scientists who could provide further information, which Hunt will follow-up on

PRESENTATION OF CONSERVATION WORKING GROUP DRAFT WHITE PAPER

Forage Species in the MBNMS (Geoff Shester/Oceana)

- Shester provided summary of white paper content and draft resolution that the Conservation Working Group (CWG) would like to propose to the SAC
- White paper should be complete next week, with draft resolution to be presented to the SAC at its February 2012 meeting.
- Shester requested RAP to:
 - Provide guidance on white paper content
 - Provide review and consider endorsement of CWG white paper and associated draft resolution
- Shester would like RAP to review paper before released to SAC
- Shester encouraged RAP members to attend a future CWG meeting, develop closer working relationship between working groups
- Shester provided copies of booklet written and published by Oceana, "Forage Fish: Feeding the California Current Large Marine Ecosystem" (PDF available)

- <http://na.oceana.org/en/news-media/publications/reports/forage-fish-feeding-the-california-current-large-marine-ecosystem>
- For more info, contact Shester: gshester@oceana.org
- **ACTION:**
 - Shester will provide next draft of white paper to RAP Chair by January 20th
 - RAP Chair will facilitate creation of subcommittee to review white paper
 - Subcommittee will review white paper (asking scientists from outside the RAP to comment and add to the literature cited section)
 - Subcommittee will provide comments to Shester for revision
 - RAP will look at next draft, and consider consensus endorsement

SANCTUARY ADVISORY COUNCIL UPDATE

SAC Update: December 2011 Meeting in Pacific Grove (Harrold)

- Education Working Group asked SAC to draft letter of support for Bay Watershed Education and Training (BWET) program, for NOAA to reinstate funding
- ONMS considering reactivating Site Evaluation List; SAC discussed designation of new sanctuaries
- John Hunt provided EBMI update
- Paul Michel shared pilot episode of public access television series, “Your Sanctuary”
- Karen Grimmer (Deputy Superintendent) presented results of Lost Fishing Gear Project
- Karin Forney (NOAA Fisheries) gave “Reconnecting with Your Sanctuary” presentation on key cetacean species found along the central coast of California and Monterey Bay
- Paul Michel discussed options for engaging fishing interests; subcommittee formed to address ideas, and possibly a fishing working group
- Public comment included motorized personal watercraft usage (MPWC) and big wave surfing; MBNMS has clear policy on where/when MPWCs can be used in the MBNMS
- For more info, see http://montereybay.noaa.gov/intro/advisory/sac_min.html

SANCTUARY CURRENTS SYMPOSIUM UPDATES

Ricketts Award & Research Posters (Burton)

- Ken Johnson (MBARI) is the recipient of 2012 Ed Ricketts Memorial Award and Lecture
- Johnson will deliver lecture at the Sanctuary Currents Symposium, April 14th
- Burton reminded RAP to advertise “Call for Research Poster Abstracts” due 1/31/12
- For Symposium info see:
 - <http://montereybay.noaa.gov/research/currsymp2012/welcome.html>

SUGGESTED FUTURE AGENDA ITEMS

EBMI update: include social science being done by MBNMS (socioeconomic profile; Pomeroy)

Future Agenda Items (running list):

- Marine Policy issues (Sacramento; D.C.) that may need science input
- Climate Change
 - Storlazzi and Abeles are willing to organize a 1-2 day meeting on State of Climate Change Science; adaptation plans
 - RAP to provide input on meeting topics, speakers, format
- Desalination update: including Cambria
- RAP Membership update

2012 RAP Meeting Schedule and Locations

Date	Host	Location
January 13	Lindholm	CSU Monterey Bay
March 9	Storlazzi	US Geological Survey, Santa Cruz
May 11	Scorse	Monterey Institute of International Studies
July 13	Grimes	NOAA Fisheries, Santa Cruz
September 14	McPhee-Shaw	Moss Landing Marine Laboratories
November 9	Pomeroy	Long Marine Lab, UC Santa Cruz
